

Work Order ID 81883

81883

Page 1

Tuesday, March 20, 2012 11:26:54 AM

Item ID: D3242-1 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Tag
 Start Date: 3/20/2012 Start Qty: 16.00 ***16*** Cust Item ID:
 Required Date: 3/26/2012 Req'd Qty: 16.00 ***16*** Customer:
 Reference:

Approvals: Process Plan: *[Signature]* Date: 12-03-20 Tooling: _____ Date: _____
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____
 Run Start ***NR1***
 Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
D3242	Rev C

100	PURCHASING	0.00							
100									
Purchasing	Memo	0.00							
Purchasing	Issue P/O: <u>16498</u> D3242-1 Tag as per Dwg D3242Material: Hyland Industries M0100840 urethane coated nylon (orange color); use 0.25" high black letteringPossible Supplier: Tulmar Safety Systems Inc. Mat'l #1508Material release note is required								

12-03-20

110	Receive & Inspect for Damage & Mat'l Certs	0.00							
110									
Packaging	Memo	0.00							
Packaging	Ensure Material Release Note is attached								

SP 12/03-128

120	QC6- Inspect dimensions to drawing	0.00							
120									
QC	Memo	0.00							
Quality Control									

8/26/12

ELC

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 81883***81883***

Page 2

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Approvals: Process Plan: Date: Tooling: Date: Run Start ***NR1***
QC: Date: SPC (Y/N): Date: Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Identify as per dwg & Stock Location: SIGA	0.00							
130									
Packaging	Memo	0.00							
Packaging									
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.00							
Quality Control									

12/04-18

12/4/19

12-04-18

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
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NOTE: Date & initial all entries

Picklist Print

Tuesday, March 20, 2012 11:26:59 AM

Page 1

Work Order ID: 81883

81883

Parent Item: D3242-1

D3242-1

Parent Item Name: Tag

Start Date: 3/20/2012

Required Date: 3/26/2012

Start Qty: 16.00

Required Qty: 16.00

Comments: IPP A04.02.20New issueKJ/DS
IPP Rev:B 08-03-18 chg to revC DD verified by:

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
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D3242-1P

Purchased

No

100

Each

0.0000

1

16

D3242-1P

**

Tag

SP 12/03-28/12

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

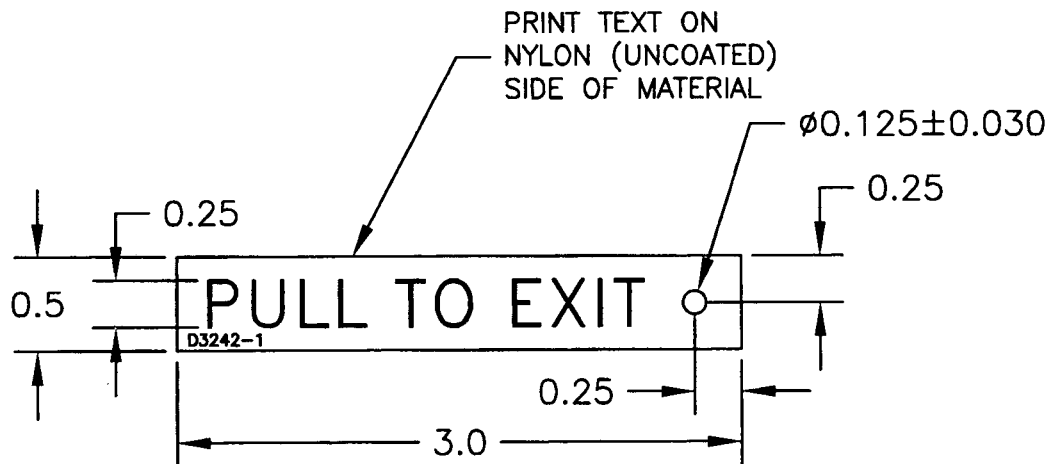
NOTE: Date & initial all entries

DART

DESIGN #	DRAWN BY CB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED LE	APPROVED #	DRAWING NO. D3242	REV. C SHEET 1 OF 1
DATE 07.04.03		TITLE TAG	SCALE 1:1
A	04.01.06	NEW ISSUE	
B	04.02.09	RE-DESIGN	
C	07.04.03	CORRECT/UPDATE MATERIAL; ADD TOL; ADD 0.25 DIM; SPECIFY PRINTING SIDE	

RELEASED

07.04.09

**D3242-1 TAG**

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 51883

11203-20

NOTES:

- 1) MATERIAL: HIGHLAND INDUSTRIES M0100840 URETHANE COATED NYLON, ORANGE (REF TULMAR MATERIAL #1508)
OR
LAMCOTEC COATING TECHNOLOGIES INC. 200 DENIER URETHANE COATED NYLON, #310 ORANGE (REF TULMAR MATERIAL #1703)
- 2) ALL DIMENSIONS ARE IN INCHES
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

PACKING SLIP

TULMAR

Tulmar Safety Systems Inc.
1123 Cameron Street
Hawkesbury, ON K6A 2B8 CA
Tel: 613-632-1282
Fax: 613-632-2030
MID : XOTULSAF1123HAW
email: info@tulmar.com

Packing Slip No.

43468

Ship Date

23-Mar-12

Bill To:

Dart Aerospace
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7. Canada

Ship to:

Dart Aerospace
1270 Aberdeen Street
Tel: 613-632-5200
Hawkesbury, ON K6A 1K7. Canada

Order number	Sales order date	Account number	Account manager
28334	20-Mar-12	CDART100	Brian Le Huquet
PO number	Ship Via	Shipping Terms	
PO16498	Pick-Up	FOB HAWKESBURY	
Item No.	Quantity ordered	UOM	Qty Shipped/Returned
Description			Quantity on back order

5385

16

EA

16

Label Dart, Black letters/Size 3"x 1/2"

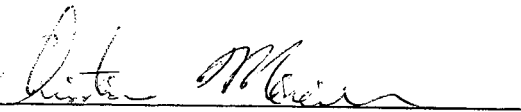
Drawing No: D3242 (P/N D3242-1)

DWG Rev: C

Line 1

Lot No: BATCH0000000023 Qty: 16

Shipper



Date:

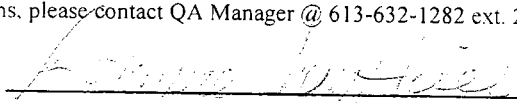
MAR 23 2012

Certificate of Conformance

☒ See Certification Enclosed

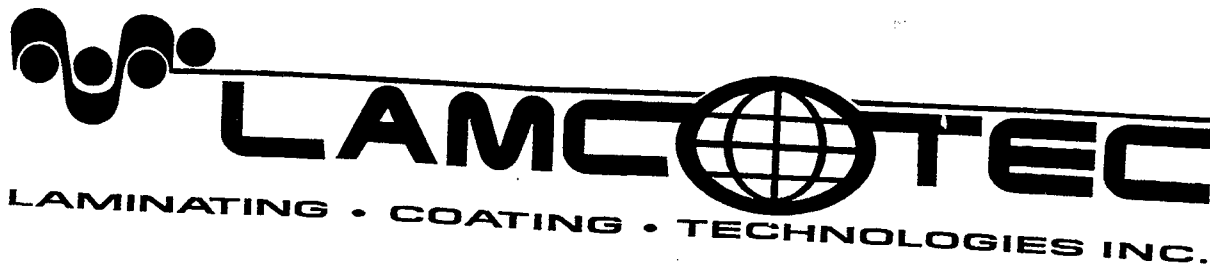
I hereby certify that the items listed hereon have been inspected, and / or tested (as applicable), conform to all specifications and requirements detailed in the contract or purchase order. Objective evidence to support this statement is on file, and can be made available upon request.
If any questions or concerns, please contact QA Manager @ 613-632-1282 ext. 245.

Authorized Inspector



Date:

MAR 23 2012



Laboratory Report Number: TULM001 - 25675

Lamcotec Factory Order Number: 17085

TULMAR SAFETY SYSTEMS, INCORPORATED
1123 CAMERON STREET
HAWKESBURY, ONTARIO K6A 2Y2
CANADA

Product Description:

Heat Sealable Urethane
#310 FL Orange, 200 Denier Nylon Oxford
Fed. Std. 595B #38903

Tulmar Specification Number:	Mil-C-83489 / 1 - Modified
LCT Specification Number:	2493
Tulmar Order Number:	6949/02
LCT Invoice Number:	25675
LCT Manufacturing Date	03/20/2004
LCT Lab Report Date:	03/22/2004
Width, Inches:	58
Width, Centimeters:	147
Number of Rolls:	12
Number of Net Lineal Yards:	1663
Number of Net Lineal Meters:	1521
Bill of Lading Number:	12549

TSS #1703/02
Page 1 of 5

TEL: (413) 267-4808 FAX: (413) 267-5265
152 BETHANY RD. PO BOX 279 MONSON, MA 01057

Test Reference:

Mil-C-83489/1 Notice 2 Modified, May 11, 1990, Fed-STD 191A,
 Mil-STD 810E

Compliance Certificate:

- I hereby certify that the materials tendered by this report have been manufactured and tested in compliance with the aforementioned specifications.
- Dyed base fabric and urethane pigments of this product were purchased by Lamcotec under the stipulation that they do not contain "AZO" compounds. ("AZO" list available upon request)
- This product is not intended for manufacturing devices used for the containment of food or drinking water.
- Urethane films and coating of this product were purchased by Lamcotec under the stipulation that they have been produced in a repeatable manner. However, due to the nature of the materials used to produce urethane films some variations may occur. Lamcotec cannot be held liable for customer variation in sealing.
- Due to the nature of the material and susceptibility to various storage conditions, Lamcotec is unable to supply a shelf life to our laminates. However, under normal and proper storage, protection from outside elements, and ultra violet lighting the material should store for extended periods of time without adverse effects.

Test	Test Method	Result	Lamcotec Quality Control Production Requirement
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Items Required By Mil-C-83489 / 1 Notice 2 - Modified, May 11, 1990

1. Base Fabric Weight	5041	<u>3.0</u> Ounces / Square Yard	3.0 Nominal
		<u>102.1</u> Grams / Square Meter	101.7 Nominal
2. Total Weight	5041	<u>7.0</u> Ounces / Square Yard	6.5 Minimum 7.5 Maximum
		<u>236.7</u> Grams / Square Meter	220.4 Minimum 254.3 Maximum
3. Tongue Tear	5134	<u>6</u> Pounds (f)	4 Min. Warp
		<u>4</u>	3 Min. Weft
		<u>27</u> Newtons (f)	16 Min. Warp
		<u>18</u>	11 Min. Weft

TSS # 1703/02 (2)

Test	Test Method	Result	Lamcotec Quality Control Production Requirement
4. Breaking Strength	5100	<u>245</u> Pounds (f) / Inch <u>220</u>	200 Min. Warp 170 Min. Weft
		<u>1073</u> Newtons (f) / 25 Millimeters <u>963</u>	876 Min. Warp 744 Min. Weft
5. Breakaway Adhesion (RF Weld) Film to Film	Mil-C-83489 4.4.1	<u>74</u> Pounds (f) / Inch <u>324</u> Newtons (f) / 25 Millimeters	32 Min. Warp 140 Min. Warp
6. Air Retention (Film Side Only)	Mil-C-83489 4.4.2	<u>Pass</u> <u>Pass</u>	No Leaks / 10 PSI / 5 Minutes No Leaks / 69 KPA / 5 Minutes
7. Low Temperature	Mil-C-83489 4.4.3	<u>Pass</u>	No Cracking Flaking or Separation
8. Blocking	5872	<u>Pass</u>	Scale Rating - #1 or #2
9. Breaking Strength After Humid Aging	Mil-C-83489 4.4.4 5100	<u>Test</u> Pounds (f) / Inch <u>In</u> <u>Process</u> Newtons (f) / 25 Millimeters	160 Min. Warp 136 Min. Weft 700 Min. Warp 595 Min. Weft
Items Not Required By Mil-C-83489 / 1 Notice 2 Modified, May 11, 1990			
10. Elongation at Break	5100	<u>48</u> % <u>67</u> %	No Requirement Warp No Requirement Weft
11. Strip Adhesion (Heat Sealed) Film to Film	5970	<u>55</u> Pounds (f) / Inch <u>241</u> Newtons (f) / 25 Millimeters	15 Min. Warp 66 Min. Warp

TSS # 1703/02

(2)


Test	Test Method	Result	Lamcotec Quality Control Production Requirement
12. Hydrostatic	5512	<u>235</u> Pounds (f) / Square Inch	170 Minimum
		<u>1620</u> Kilopascals	1172 Minimum
13. Hydrostatic Low Pressure	5514	<u>Pass</u>	No Leaks / 1.5 PSI / 5 Minutes
		<u>Pass</u>	No Leaks / 10 KPA / 5 Minutes
14. Mildew Resistance	Mil-STD.810E MTD 508.4	<u>Pass</u>	No Fungal Growth Minimum

BS #1703/02

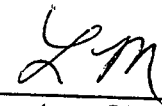
Signed _____

Richard J. Anderson, Jr.
Vice President - Operations

Signed _____


Richard J. Malo
Quality Control Manager

Signed _____


Laboratory Clerk
Initials

Distribution:

Copy - Tulmar - Shipment
Copy - Tulmar - Mail
Copy - Laboratory
Update: 10/30/2003

TSS # 1703/02

(E)



THE

DISCOVERY/LANCER GROUP

1-145 Riviera Drive, Markham Ontario L3R-5J6

Tel: 905-470-0744

Fax: 905-470-9454

**Certificate of Compliance**DATE: JAN. 13 2012OUR PROD. NO.: 11025 (1016G)CUSTOMER P/O NO.: 22446-00CUSTOMER: Tulmar Safety Systems Inc.PRODUCT: TW MULTI PLASTIC INKQTY. SHIPPED: 1 GALLONLOT NO.: 061511026ROLL NO.: MANUFACTURING DATE: JUNE 15TH 2011SHELF-LIFE: 5 YEARS

We certify that the product,

11025 BLACKTW MULTI PLASTIC INKwas manufactured, inspected and Conforms to specifications
applicable to the product.Signature: Title: SHIPPERTSS 7306 / 29
TULMAR

JAN 17 2012

AC

0507-259-519

02.001 2002/00/11



THE

DISCOVERY/LANCER GROUP

1-145 Riviera Drive, Markham Ontario L3R-5J6
Tel: 905-470-0744 Fax: 905-470-9454



Certificate of Compliance

DATE: JUNE 23 2011OUR PROD. NO.: TW-1091-4CUSTOMER P/O NO.: 20699-00CUSTOMER: Tulmar Safety Systems Inc.PRODUCT: TW MULTI PLASTIC RETARDERQTY. SHIPPED: 1 LITRELOT NO.: 311330ROLL NO.: MANUFACTURING DATE: MARCH 2011SHELF-LIFE: 5 YRS

We certify that the product,

TW-1091-4TW MULTI PLASTIC RETARDERwas manufactured, inspected and Conforms to specifications
applicable to the product.Signature: Title: SHIPPERTES # 7306-RET/08

0507-259-519

PZ:10T 2007/00/11